

PROCESSING EVENTS FOR CONCURRENT TASKS IN A VIRTUAL MACHINE

ABSTRACT OF THE DISCLOSURE

[0044] Techniques for processing native events associated with tasks that are concurrently supported in a virtual machine are disclosed. The techniques allow the user of a virtual machine to concurrently perform tasks even if these tasks require processing of platform-specific (or native) events (e.g., platform-specific input). A smart event-dispatcher is used to dispatch native events to multiple tasks that are concurrently supported by the virtual machine. The smart event-dispatcher can determine which one of a plurality of concurrent tasks should receive the native event for processing. The determination can be made based on a variety of different criteria. In mobile devices, the foreground task is typically the only task that is displayed for the user of mobile devices at any given time. Thus, dispatching events to the foreground task is especially useful for a virtual machine that support a mobile device.